Hydrobiologia

The International Journal of Aquatic Sciences

Volume 516, 15 March 2004

Theme

Integrated Assessment of Running Waters in Europe

Guest Editors

Daniel Hering, Piet F.M. Verdonschot,
Otto Moog & Leonard Sandin

Preface vii–ix

Overview and application of the AQEM assessment system
D. Hering, O. Moog, L. Sandin, P.F.M. Verdonschot 1–20

Does the ecoregion approach support the typological demands of the EU 'Water Framework Directive'?
O. Moog, A. Schmidt-Kloiber, T. Ofenböck, J. Gerritsen 21–33

Testing the European stream typology of the Water Framework Directive for macroinvertebrates
P.F.M. Verdonschot, R.C. Nijboer 35–54

Comparing macroinvertebrate indices to detect organic pollution across Europe: a contribution to the EC Water Framework Directive intercalibration
L. Sandin, D. Hering 55–68

Identification and measure of hydromorphological degradation in Central European lowland streams
C.K. Feld 69–90

Establishing reference conditions for European streams
R.C. Nijboer, R.K. Johnson, P.F.M. Verdonschot, M. Sommerhäuser, A. Buffagni 91–105

A new method for assessing the impact of hydromorphological degradation on the macroinvertebrate fauna of five German stream types
A. Lorenz, D Hering, C.K. Feld, P. Rolauffs 107–127

Assessing acid stress in Swedish boreal and alpine streams using benthic macroinvertebrates
L. Sandin, J. Dahl, R.K. Johnson 129–148

The development of an ecological quality assessment and classification system for Greek running waters based on benthic macroinvertebrates
N. Th. Skoulikidis, K.C. Gritzalis, T. Kouvarda, A. Buffagni 149–160

Detection of organic pollution of streams in southern Sweden using benthic macroinvertebrates
J. Dahl, R.K. Johnson, L. Sandin 161–172

Towards a multimetric index for the assessment of Dutch streams using benthic macroinvertebrates
H.E. Vlek, P.F.M. Verdonschot, R.C. Nijboer 173–189

Assessment methodology for southern siliceous basins in Portugal
P. Pinto, J. Rosado, M. Morais, I. Antunes 191–214

Multimetric assessment of data provided by water managers from Germany: assessment of several different types of stressors with macrozoobenthos communities
J. Böhmer, C. Rawer-Jost, A. Zenker 215–228

Assessment of temporary streams: the robustness of metric and multimetric indices under different hydrological conditions
M. Morais, P. Pinto, P. Guilherme, J. Rosado, I. Antunes 229–249

A stressor specific multimetric approach for monitoring running waters in Austria using benthic macro-invertebrates
T. Ofenböck, O. Moog, J. Gerritsen, M. Barbour 251–268

The effect of taxonomic resolution on the assessment of ecological water quality classes
A. Schmidt-Kloiber, R.C. Nijboer 269–283

Integration of the saprobic system into the European Union Water Framework Directive
P. Rolauffs, I. Stubauer, S. Zahrádková, K. Brabec, O. Moog 285–298

'Electronic subsampling' of macrobenthic samples: how many individuals are needed for a valid assessment result?
A. Lorenz, L. Kirchner, D. Hering 299–312

The AQEM multimetric system for the southern Italian Apennines: assessing the impact of water quality and habitat degradation on pool macroinvertebrates in Mediterranean rivers
A. Buffagni, S. Erba, M. Cazzola, J.L. Kemp 313–329

Assessment of organic pollution effect considering differences between lotic and lentic stream habitats
K. Brabec, S. Zahrádková, D. Němejcová, P. Pařil, J. Kokeš, J. Jarkovský 331–346

The effect of excluding taxa with low abundances or taxa with small distribution ranges on ecological assessment
R.C. Nijboer, A. Schmidt-Kloiber 347–363

Characterising hydromorphological features of selected Italian Rivers: a comparative application of environmental indices
R. Balestrini, M. Cazzola, A. Buffagni 365–379

Electronic journals at
KluwerOnline
WWW.KLUWERONLINE.NL
Contact your librarian for more information